

ACCOLIFT® CLH HOISTS - FEATURES



Friction Clutch & Upper Limit Switch

The friction clutch is an overload protection device that prevents lifting when overloaded. When the hoist is raised to high hook, the upper limit switch activates and stops the hoist motor (up direction only). This prevents unnecessary clutch wear.



Hoist Motor Brake

Simple fast acting conical style motor brake for years of trouble free operation.



Push Button Control

Compact design to enable one-handed operation. Rated NEMA 4 protection. Mushroom on/off button included. Push button cable has strain relief built in to prevent cable damage.



Electric Control Panel

Single speed hoists are reconnectable for 115/208/230V on single phase hoists and 208/230/460V on three phase hoists. Single speed controls include a running time meter and counter for hoist motion. Controls are housed in a NEMA 12 enclosure. Standard control transformer output is 115V with an option available for 48V. Standard power supply cord length is 15'.



Variable Frequency Drive

VFD hoists are available programmed for 2-speed operation. VFD hoists can be supplied for 230-1-60, 208/230-3-60 and 460-3-60 power supplies. Inverter provides run time for maintenance operations.



Heavy-Duty Hoist Motor

The hoist motor is a high torque design and is rated 30-minute duty (single phase, single speed motors are rated 20-minute). Class F motor insulation and standard thermal motor protection is included.



Load Sheave / Chain Guide

Full floating chain guide assures proper engagement of chain on load sheave. Load Sheave features 5 pockets for smoother operation and better distribution of the load. Hoist body includes a port for visual inspection of the load sheave.



Load Chain

Grade 80 load chain is case hardened and has a high resistance to wear and corrosion. All hoists are stocked with 20 feet of lift. Longer lifts are available per requirement. Nickel Plated load chain and Stainless Steel load chain is available as an option.



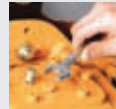
Hooks

Load hook is a forged carbon steel hook with a heavy-duty hook latch. Thrust bearing in hook allows 360° rotation to prevent twisting of load chain. Top hook, for hook suspended hoists, is nonrotating. Bullard hooks, Stainless Steel hooks and Bronze hooks are available as an option.



Chain Container

Chain container is standard equipment and is molded with thick polypropylene material to securely contain the chain and chain lubricant. Optional canvas containers and engineered containers for long lift applications are available as an option.



Gear Box / Oil Lubrication

The gearbox utilizes an alloy steel helical and spur gear reduction. Gear lubrication is easily accessible from the top of the hoist. The gearbox includes an inspection port for the chain pocket wheel. Food grade oil is available as an option.



Push / Pull Trolley

Trolley is adjustable for a range of 3.25" to 12" flange widths with no additional materials required. Side guide rollers are included to promote smooth trolley motion and to minimize wheel and beam wear. Wheels are dual tread design for operation on tapered or flat flange beams. Trolleys include drop down lugs and rubber bumpers as standard equipment.



Motorized Trolley

Trolley is adjustable for a range of 3.25" to 12" flange widths with no additional materials required. Side guide rollers are included to promote smooth trolley motion and to minimize wheel and beam wear. Wheels are dual tread design for operation on tapered or flat flange beams. Trolleys include drop down lugs and rubber bumpers as standard equipment. Trolley motor includes class F insulation and a disc type motor brake. Motor is rated for 30-minute duty (single phase, single speed motors are rated 20-minute) and includes standard thermal motor protection.

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ACCOLIFT® CLH HOISTS - HOOK SUSPENSION

SINGLE PHASE / SINGLE SPEED HOOK SUSPENSION

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw				
						115V	208/230V			
1/2	2330010	20	18	14	1.1	24.0	13.1/12.0	.280 x (1)	0.75	139
1	2330020			14	1.1	24.0	13.1/12.0	.280 x (1)	0.75	139
2	2330040			7	1.1	24.0	13.1/12.0	.280 x (2)	1.5	172

SINGLE PHASE / INVERTER CONTROL HOOK SUSPENSION

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw				
						115V	208/230V			
1/2	2330010-VFD-230-1	20	18	27/9	2.4	-	9.2/8.4	.280 x (1)	0.75	148
1	2330020-VFD-230-1			27/9	2.4	-	9.2/8.4	.280 x (1)	0.75	148
2	2330040-VFD-230-1			13/4	2.4	-	9.2/8.4	.280 x (2)	1.5	181
3	See model 2130060-VFD-230-1 on page 12.									

THREE PHASE / SINGLE SPEED HOOK SUSPENSION

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw				
						208/230V	460V			
1/2	2230010	20	18	17	2.0	8.8/8.0	4.0	.280 x (1)	0.75	134
1	2230020			17	2.0	8.8/8.0	4.0	.280 x (1)	0.75	134
2	2230040			9	2.0	8.8/8.0	4.0	.280 x (2)	1.5	168

THREE PHASE / INVERTER CONTROL HOOK SUSPENSION

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw				
						208/230V	460V			
1/2	2230010-VFD	20	18	27/9	2.4	9.2/8.4	4.2	.280 x (1)	0.75	146
1	2230020-VFD			27/9	2.4	9.2/8.4	4.2	.280 x (1)	0.75	146
2	2230040-VFD			13/4	2.4	9.2/8.4	4.2	.280 x (2)	1.5	181

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DIMENSIONS - HOOK SUSPENSION

Figure A

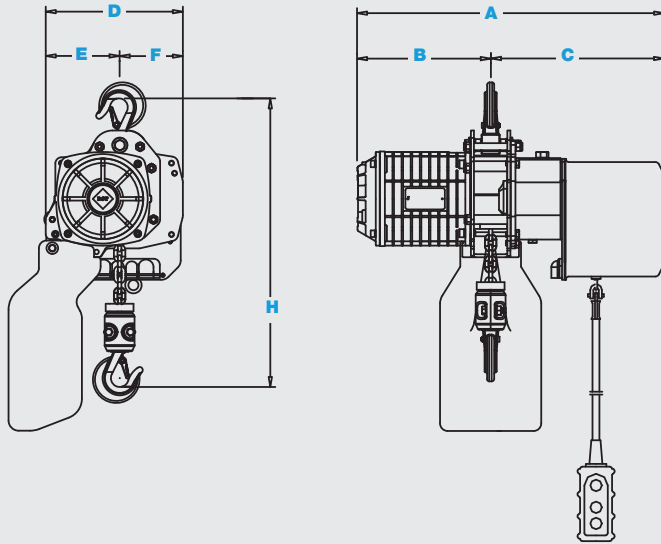
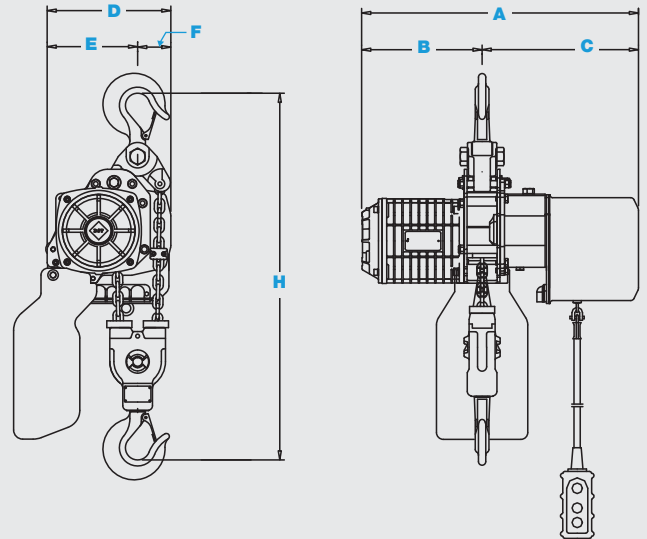


Figure B



Dimensions in Inches (Nominal). *For hook dimensions, see page 10.*

Model Number	A	B	C	D	E	F	H	Figure
2230010	20.7	10.4	10.3	10.7	5.8	4.9	15.8	A
2230020	20.7	10.4	10.3	10.7	5.8	4.9	15.8	A
2230040	20.7	10.4	10.3	10.7	7.8	2.9	26.8	B
2230010-VFD	23.9	10.4	13.5	13	5.8	7.2	15.8	A
2230020-VFD	23.9	10.4	13.5	13	5.8	7.2	15.8	A
2230040-VFD	23.9	10.4	13.5	13	7.8	5.2	26.8	B
2330010	21.5	10.4	11.1	10.7	5.8	4.9	15.8	A
2330020	21.5	10.4	11.1	10.7	5.8	4.9	15.8	A
2330040	21.5	10.4	11.1	10.7	7.8	2.9	26.8	B
2330010-VFD-230-1	23.9	10.4	13.5	10.7	5.8	4.9	15.8	A
2330020-VFD-230-1	23.9	10.4	13.5	10.7	5.8	4.9	15.8	A
2330040-VFD-230-1	23.9	10.4	13.5	10.7	7.8	2.9	26.8	B

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ACCOLIFT® CLH HOISTS - PUSH / PULL TROLLEY

SINGLE PHASE / SINGLE SPEED PUSH / PULL TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Flange Width Adjustability (in.)	Wheel Diameter (in.)	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw							
						115V	208/ 230V						
1/2	2330010-PT	20	18	14	1.1	24.0	13.1/12.0	3.25 to 12	3.7	32	.280 x (1)	0.75	161
1	2330020-PT			14	1.1	24.0	13.1/12.0	3.25 to 12	3.7	32	.280 x (1)	0.75	161
2	2330040-PT			7	1.1	24.0	13.1/12.0	3.25 to 12	4.3	32	.280 x (2)	1.5	209

SINGLE PHASE / INVERTER CONTROL PUSH / PULL TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Flange Width Adjustability (in.)	Wheel Diameter	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw							
						208/ 230V							
1/2	2330010-VFD-230-1-PT	20	18	27/9	2.4	9.2/8.4		3.25 to 12	3.7	32	.280 x (1)	0.75	157
1	2330020-VFD-230-1-PT			27/9	2.4	9.2/8.4		3.25 to 12	3.7	32	.280 x (1)	0.75	157
2	2330040-VFD-230-1-PT			13/4	2.4	9.2/8.4		3.25 to 12	4.3	32	.280 x (2)	1.5	205
3	See model 2130060-VFD-230-1-PT on page 14.												

THREE PHASE / SINGLE SPEED PUSH / PULL TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Flange Width Adjustability (in.)	Wheel Diameter (in.)	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw							
						208/ 230V	460V						
1/2	2230010-PT	20	18	17	2.0	8.8/8.0	4.0	3.25 to 12	3.7	32	.280 x (1)	0.75	167
1	2230020-PT			17	2.0	8.8/8.0	4.0	3.25 to 12	3.7	32	.280 x (1)	0.75	167
2	2230040-PT			9	2.0	8.8/8.0	4.0	3.25 to 12	4.3	32	.280 x (2)	1.5	216

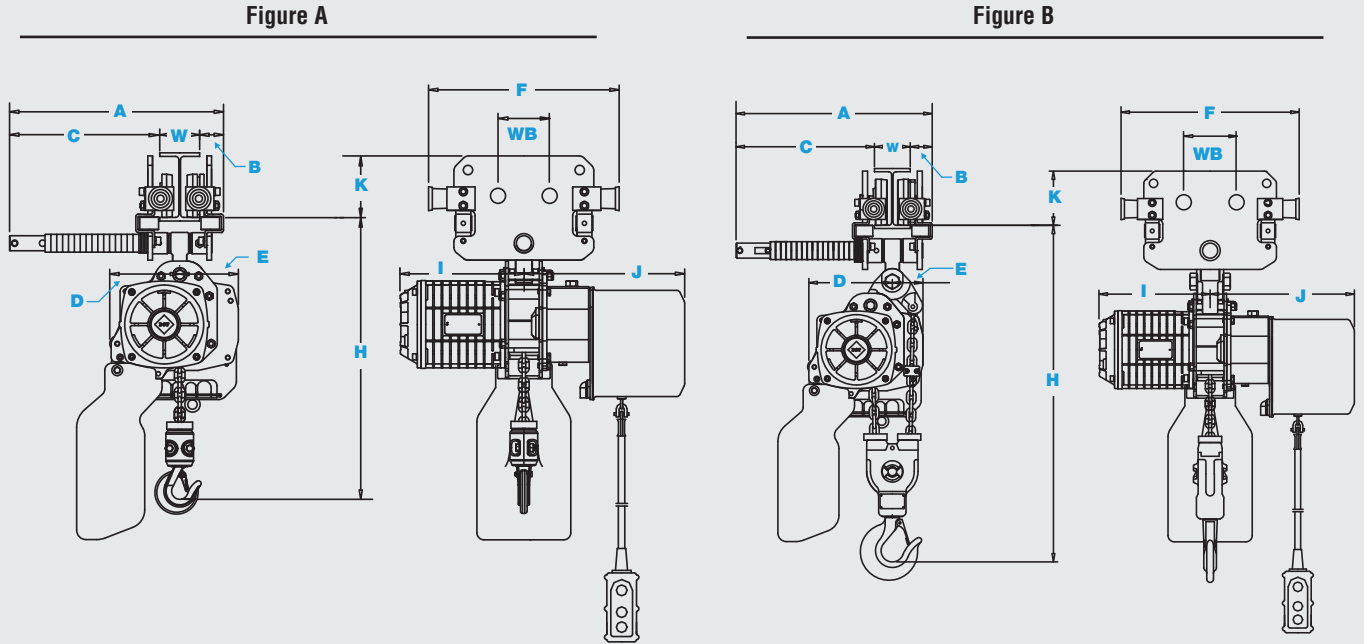
THREE PHASE / INVERTER CONTROL PUSH / PULL TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Hoist Motor			Flange Width Adjustability (in.)	Wheel Diameter	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
					HP	Amp. Draw							
						208/ 230V	460V						
1/2	2230010-VFD-PT	20	18	27/9	2.4	9.2/8.4	4.2	3.25 to 12	3.7	32	.280 x (1)	0.75	167
1	2230020-VFD-PT			27/9	2.4	9.2/8.4	4.2	3.25 to 12	3.7	32	.280 x (1)	0.75	167
2	2230040-VFD-PT			13/4	2.4	9.2/8.4	4.2	3.25 to 12	4.3	32	.280 x (2)	1.5	216

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DIMENSIONS - PUSH / PULL TROLLEY



Dimensions in Inches (Nominal). **For hook dimensions, see page 10.**

Model Number	A	B	C	D	E	F	H	I	J	K	WB	Figure
			W = Beam width									
2230010-PT	17	1.8	15.2-W	5.8	4.9	16	17.5	10.4	10.3	5.2	4.4	A
2230020-PT	17	1.8	15.2-W	5.8	4.9	16	17.5	10.4	10.3	5.2	4.4	A
2230040-PT	17.5	1.8	15.7-W	7.8	2.9	16.7	26	10.4	10.3	5.2	4.9	B
2230010-VFD-PT	17	1.8	15.2-W	5.8	7.1	16	17.5	10.4	13.5	5.2	4.4	A
2230020-VFD-PT	17	1.8	15.2-W	5.8	7.1	16	17.5	10.4	13.5	5.2	4.4	A
2230040-VFD-PT	17.5	1.8	15.7-W	7.8	5.1	16.7	26	10.4	13.5	5.2	4.9	B
2330010-PT	17	1.8	15.2-W	5.8	4.9	16	17.5	10.4	11.1	5.2	4.4	A
2330020-PT	17	1.8	15.2-W	5.8	4.9	16	17.5	10.4	11.1	5.2	4.4	A
2330040-PT	17.5	1.8	15.7-W	7.8	2.9	16.7	26	10.4	11.1	5.2	4.9	B
2330010-VFD-1-PT	17	1.8	15.2-W	5.8	4.9	16	17.5	10.4	13.5	5.2	4.4	A
2330020-VFD-1-PT	17	1.8	15.2-W	5.8	4.9	16	17.5	10.4	13.5	5.2	4.4	A
2330040-VFD-1-PT	17.5	1.8	15.7-W	7.8	2.9	16.7	26	10.4	13.5	5.2	4.9	B

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ACCOLIFT® CLH HOISTS - MOTORIZED TROLLEY

SINGLE PHASE / SINGLE SPEED MOTORIZED TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Trolley Speed (fpm)	Hoist Motor			Trolley Motor			Flange Width Adjustability (in.) Standard	Wheel Dia.	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
						HP	Amp. Draw		HP	Amp. Draw							
							115V	208/ 230V		115V	208/ 230V						
1/2	2330110	20	18	14	36	1.1	24.0	13.1/12.0	0.27	7.8	4.3/3.9	3.25 to 12	3.7	32	.280 x (1)	0.75	225
1	2330120			14	36	1.1	24.0	13.1/12.0	0.27	7.8	4.3/3.9	3.25 to 12	3.7	32	.280 x (1)	0.75	225
2	2330140			7	36	1.1	24.0	13.1/12.0	0.27	7.8	4.3/3.9	3.25 to 12	4.3	32	.280 x (2)	1.5	273

SINGLE PHASE / INVERTER CONTROL MOTORIZED TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Trolley Speed (fpm)	Hoist Motor			Trolley Motor			Flange Width Adjustability (in.) Standard	Wheel Dia.	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
						HP	Amp. Draw		HP	Amp. Draw							
							115V	208/ 230V		115V	208/ 230V						
1/2	2330110-VFD-230-1	20	18	27/9	75/25	2.4	-	9.2/8.4	0.54	-	3.3/3.0	3.25 to 12	3.7	32	.280 x (1)	0.75	227
1	2330120-VFD-230-1			27/9	75/25	2.4	-	9.2/8.4	0.54	-	3.3/3.0	3.25 to 12	3.7	32	.280 x (1)	0.75	227
2	2330140-VFD-230-1			13/4	75/25	2.4	-	9.2/8.4	0.54	-	3.3/3.0	3.25 to 12	4.3	32	.280 x (2)	1.5	280
3	See model 2130160-VFD-230-1 on page 16.																

THREE PHASE / SINGLE SPEED MOTORIZED TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Trolley Speed (fpm)	Hoist Motor			Trolley Motor			Flange Width Adjustability (in.) Standard	Wheel Dia.	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
						HP	Amp. Draw		HP	Amp. Draw							
							208/ 230V	460V		208/ 230V	460V						
1/2	2230110	20	18	17	36	2.0	8.8/8.0	4.0	0.54	3.3/3.0	1.5	3.25 to 12	3.7	32	.280 x (1)	0.75	221
1	2230120			17	36	2.0	8.8/8.0	4.0	0.54	3.3/3.0	1.5	3.25 to 12	3.7	32	.280 x (1)	0.75	221
2	2230140			9	36	2.0	8.8/8.0	4.0	0.54	3.3/3.0	1.5	3.25 to 12	4.3	32	.280 x (2)	1.5	269

THREE PHASE / INVERTER CONTROL MOTORIZED TROLLEY

Cap. (Tons)	Model Number	Std. Lift (ft.)	Push Button Cord Length (ft.)	Lifting Speed (fpm)	Trolley Speed (fpm)	Hoist Motor			Trolley Motor			Flange Width Adjustability (in.) Standard	Wheel Dia.	Min. Beam Radius (in.)	Load Chain Diameter (in.) X Chain Fall Lines	Add'l 1 ft. of Lift (lbs.)	Net Wt. (lbs.)
						HP	Amp. Draw		HP	Amp. Draw							
							208/ 230V	460V		208/ 230V	460V						
1/2	2230110-VFD	20	18	27/9	75/25	2.4	9.2/8.4	4.2	0.54	3.3/3.0	1.5	3.25 to 12	3.7	32	.280 x (1)	0.75	231
1	2230120-VFD			27/9	75/25	2.4	9.2/8.4	4.2	0.54	3.3/3.0	1.5	3.25 to 12	3.7	32	.280 x (1)	0.75	231
2	2230140-VFD			13/4	75/25	2.4	9.2/8.4	4.2	0.54	3.3/3.0	1.5	3.25 to 12	4.3	32	.280 x (2)	1.5	280

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DIMENSIONS - MOTORIZED TROLLEY

Figure A

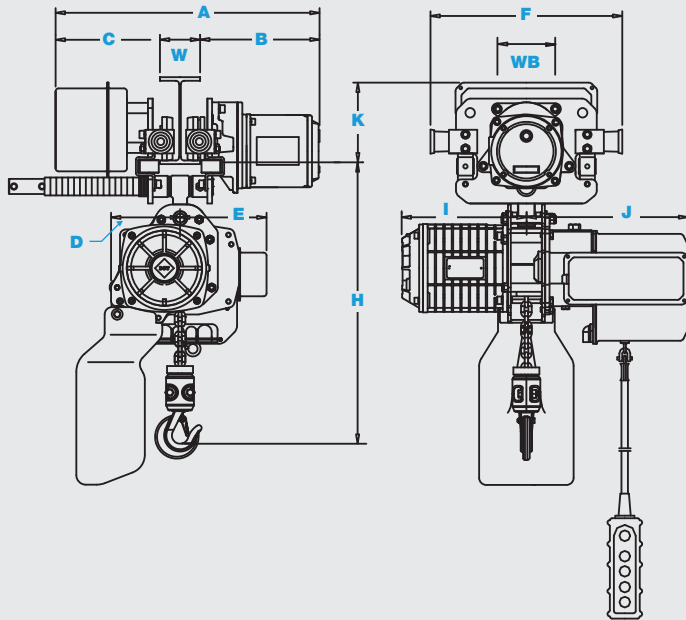
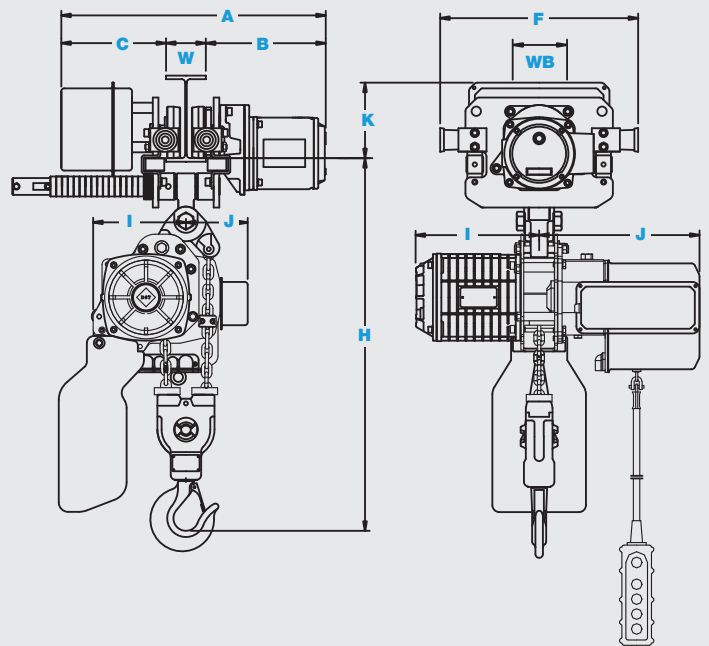


Figure B



Dimensions in Inches (Nominal). *For hook dimensions, see page 10.*

Model Number	A	B	C	D	E	F	H	I	J	K	WB	Figure
2230110	16.7 + W	10	6.7	5.8	4.9	16	17.5	10.4	10.3	6.5	4.4	A
2230120	16.7 + W	10	6.7	5.8	4.9	16	17.5	10.4	10.3	6.5	4.4	A
2230140	16.9 + W	10.1	6.8	7.8	2.9	16.7	26	10.4	10.3	6.4	4.9	B
2230110-VFD	18.7 + W	10	8.7	5.8	7.2	16	17.5	10.4	13.5	6.5	4.4	A
2230120-VFD	18.7 + W	10	8.7	5.8	7.2	16	17.5	10.4	13.5	6.5	4.4	A
2230140-VFD	18.9 + W	10.1	8.8	7.8	5.2	16.7	26	10.4	13.5	6.4	4.9	B
2330110	20.3 + W	11.6	8.7	5.8	4.9	16	17.5	10.4	11.1	6.5	4.4	A
2330120	20.3 + W	11.6	8.7	5.8	4.9	16	17.5	10.4	11.1	6.5	4.4	A
2330140	20.6 + W	11.8	8.8	7.8	2.9	16.7	26	10.4	11.1	6.4	4.9	B
2330110-VFD-230-1	18.7 + W	10	8.7	5.8	4.9	16	17.5	10.4	13.5	6.5	4.4	A
2330120-VFD-230-1	18.7 + W	10	8.7	5.8	4.9	16	17.5	10.4	13.5	6.5	4.4	A
2330140-VFD-230-1	18.9 + W	10.1	8.8	7.8	2.9	16.7	26	10.4	13.5	6.4	4.9	B

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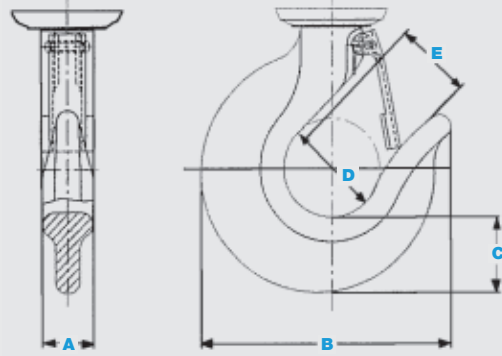
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ACCOLIFT® CLH HOISTS - HOOK DIMENSIONS & CHAIN CONTAINER CAPACITIES

ACCOLIFT® CLH HOISTS - HOOK DIMENSIONS

Dimensions in Inches (Nominal)

Capacity	A	B	C	D	E
1/2 Ton	0.95	3.82	1.24	1.38	0.93
1 Ton	0.95	3.82	1.24	1.38	0.93
2 Ton	1.18	5.73	1.69	2.11	1.54



ACCOLIFT® CLH HOISTS - CHAIN CONTAINER CAPACITIES

Hoist Capacity	Max. Lift With Standard Chain Bucket (ft.)	Max. Lift With Optional Chain Bucket (ft.)	Max. Lift With Optional Canvas Chain Bag (ft.)
1/2 Ton	39 (71964-107)	49 (71574-1038)	40 (71574-1264)
1 Ton	39 (71964-107)	49 (71574-1038)	40 (71574-1264)
2 Ton	25 (71964-207) or	65 (71574-1039)	20 (71574-1264)

Buckets may be available for longer lifts than stated above - please call factory with your application.

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